

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011624\
 Data File : VW033684.D
 Acq On : 16 Jan 2024 20:59
 Operator : SY/MD
 Sample : P1131-16DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 17 03:29:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 17 01:35:32 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

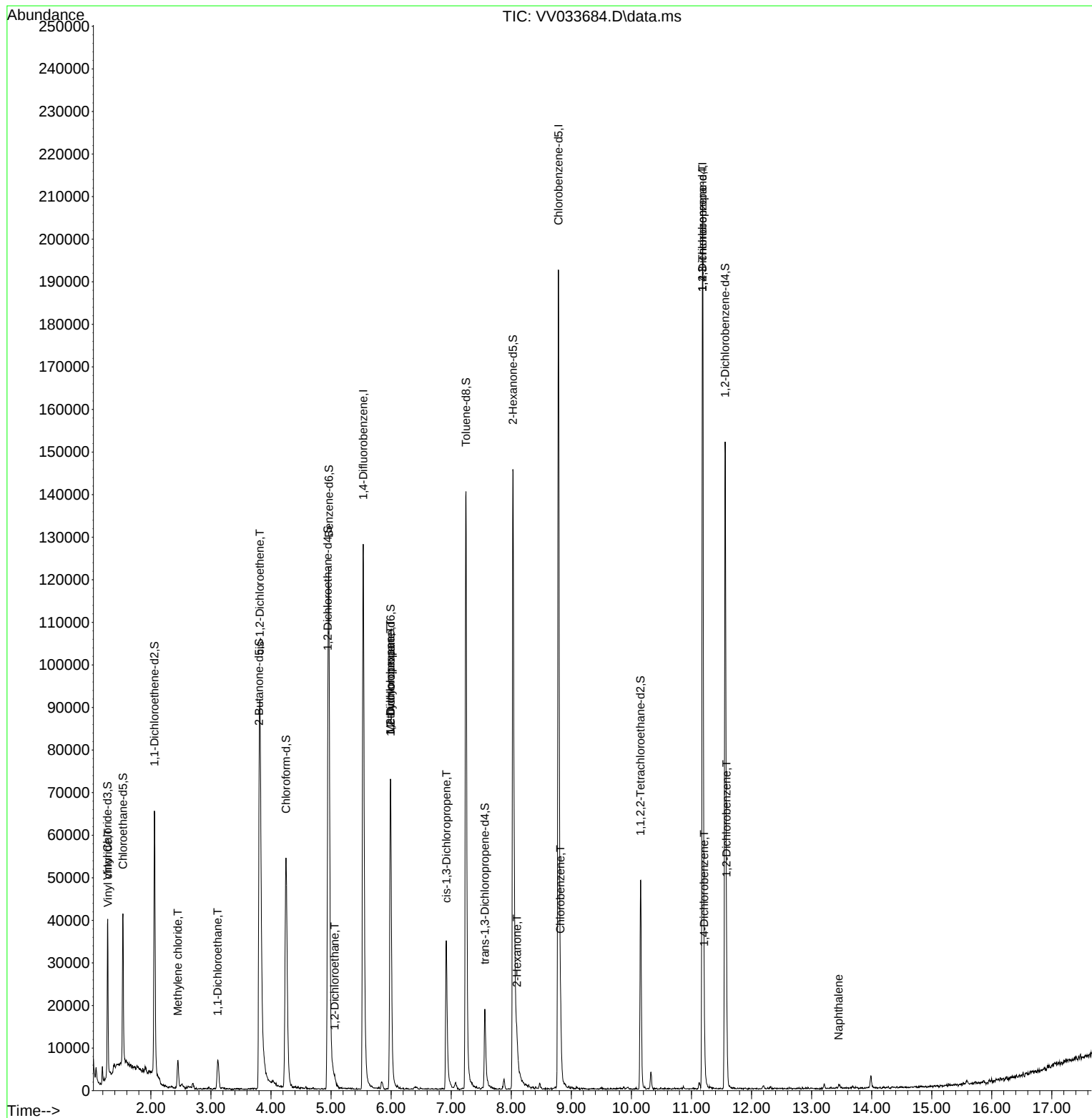
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	109953	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	100759	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	52386	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	21348	3.551	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.000%
7) Chloroethane-d5	1.536	69	22065	4.138	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.060	65	10907	4.025	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.600%
20) 2-Butanone-d5	3.802	46	71761	48.815	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.640%
24) Chloroform-d	4.249	84	58608	4.508	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	4.947	65	29642	5.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	4.963	84	109045	4.485	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	5.992	67	36668	4.524	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.246	98	93566	4.311	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	7.561	79	12276	4.381	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.027	63	55345	50.305	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.600%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	23903	5.047	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	36574	4.547	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	1284	0.112	ug/L #	22
16) Methylene chloride	2.449	84	2542	0.278	ug/L	94
19) 1,1-Dichloroethane	3.114	63	8056	0.463	ug/L	99
22) cis-1,2-Dichloroethene	3.815	96	32912	3.590	ug/L	95
27) 1,2-Dichloroethane	5.059	62	1042	0.114	ug/L #	76
35) Methylcyclohexane	5.989	83	8663	0.537	ug/L #	15
37) 1,2-Dichloropropane	5.989	63	4268	0.480	ug/L #	87
39) cis-1,3-Dichloropropene	6.921	75	975	0.077	ug/L #	76
48) 2-Hexanone	8.095	43	7969	2.664	ug/L #	76
51) Chlorobenzene	8.818	112	9367	0.404	ug/L	98
61) 1,2,3-Trichloropropane	11.185	75	7785	1.854	ug/L #	70
65) 1,4-Dichlorobenzene	11.214	146	3000	0.167	ug/L	91
67) 1,2-Dichlorobenzene	11.583	146	5435	0.341	ug/L	97
71) Naphthalene	13.451	128	1237	0.063	ug/L #	86

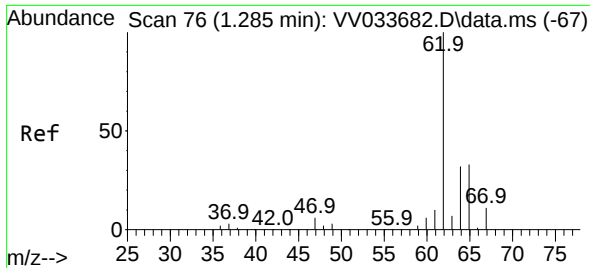
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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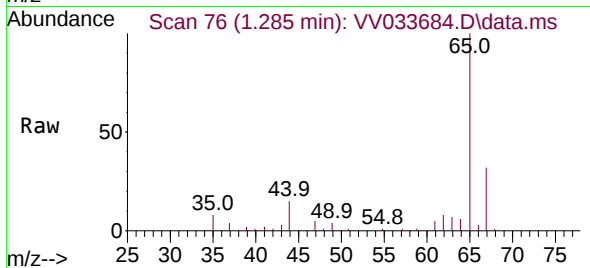
Quant Time: Jan 17 03:29:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
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Response via : Initial Calibration



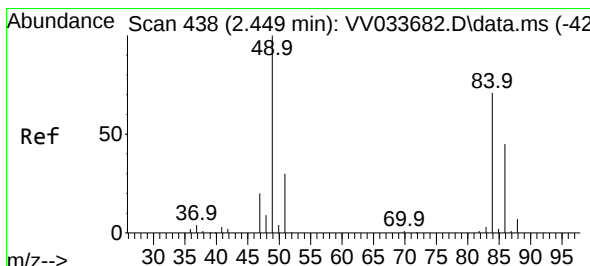
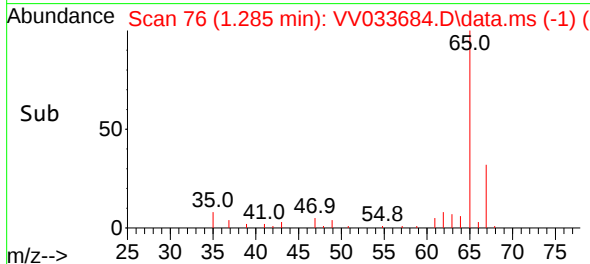
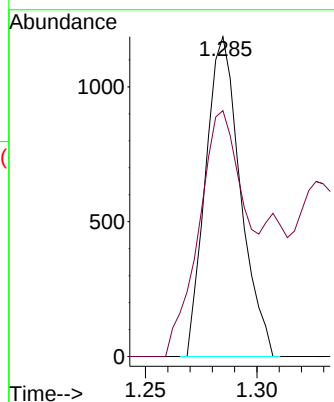


#5
 Vinyl chloride
 Concen: 0.112 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033684.D
 Acq: 16 Jan 2024 20:59

Instrument :
 MSVOA_V
 ClientSampleId :

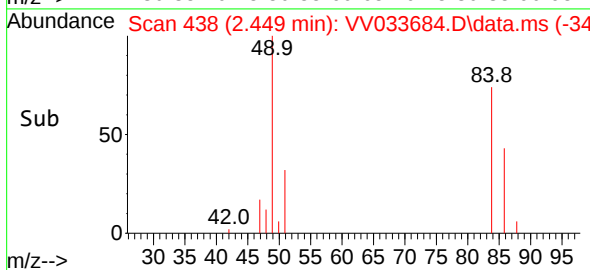
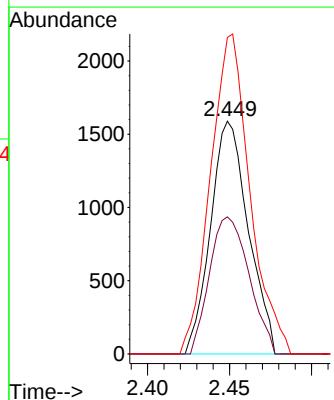
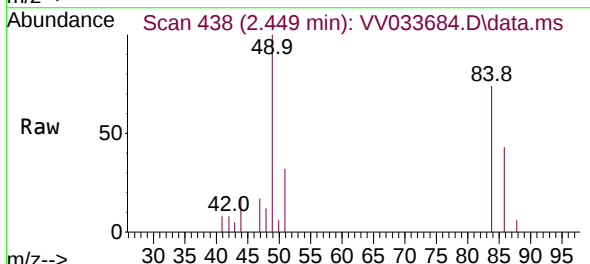


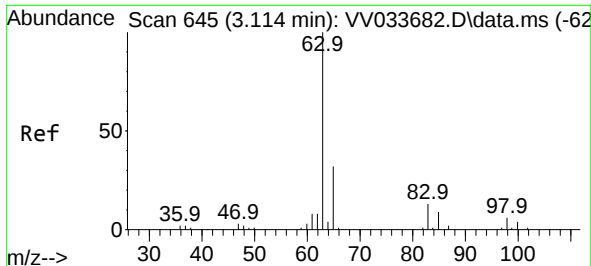
Tgt Ion: 62 Resp: 1284
 Ion Ratio Lower Upper
 62 100
 64 76.9 23.0 42.8#



#16
 Methylene chloride
 Concen: 0.278 ug/L
 RT: 2.449 min Scan# 438
 Delta R.T. -0.000 min
 Lab File: VV033684.D
 Acq: 16 Jan 2024 20:59

Tgt Ion: 84 Resp: 2542
 Ion Ratio Lower Upper
 84 100
 86 58.9 45.5 84.5
 49 136.0 100.3 186.3





#19

1,1-Dichloroethane

Concen: 0.463 ug/L

RT: 3.114 min Scan# 645

Delta R.T. -0.000 min

Lab File: VV033684.D

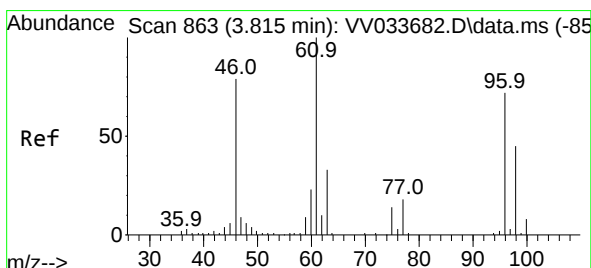
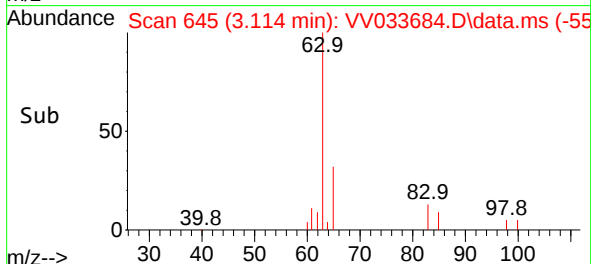
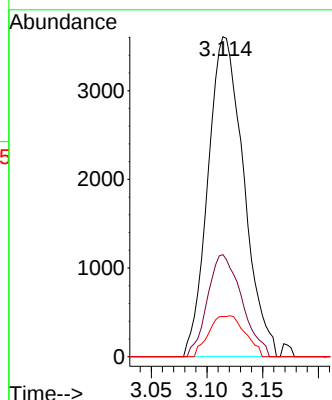
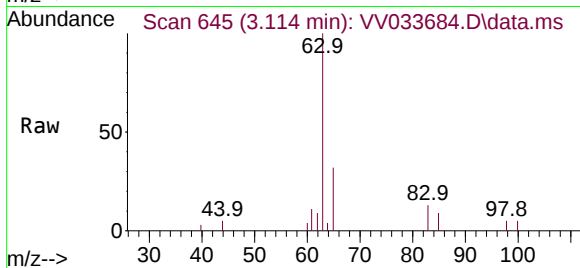
Acq: 16 Jan 2024 20:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	63	Resp:	8056
Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.6	40.2
83	12.1	9.1	16.9



#22

cis-1,2-Dichloroethene

Concen: 3.590 ug/L

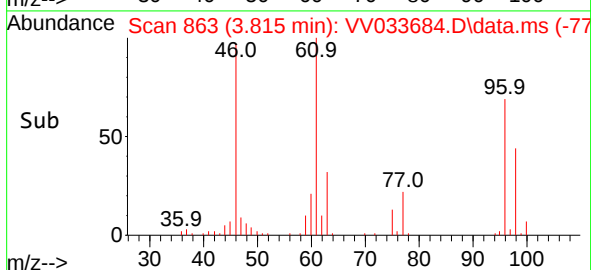
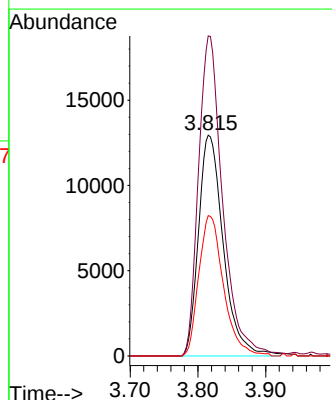
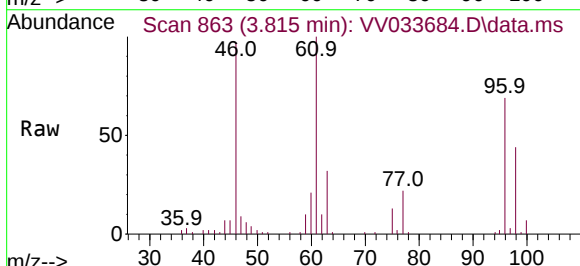
RT: 3.815 min Scan# 863

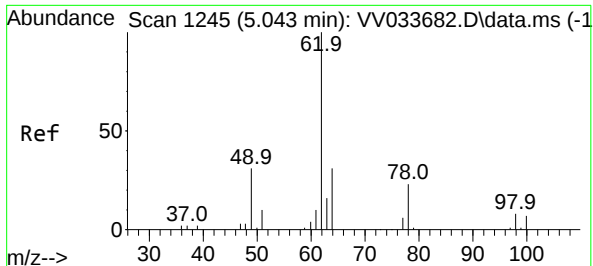
Delta R.T. -0.000 min

Lab File: VV033684.D

Acq: 16 Jan 2024 20:59

Tgt Ion:	96	Resp:	32912
Ion	Ratio	Lower	Upper
96	100		
61	144.9	97.1	180.3
98	63.6	42.6	79.0





#27

1,2-Dichloroethane

Concen: 0.114 ug/L

RT: 5.059 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV033684.D

Acq: 16 Jan 2024 20:59

Instrument :

MSVOA_V

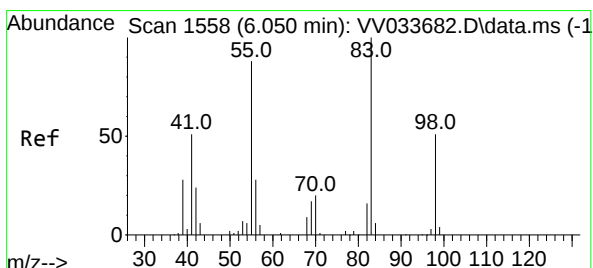
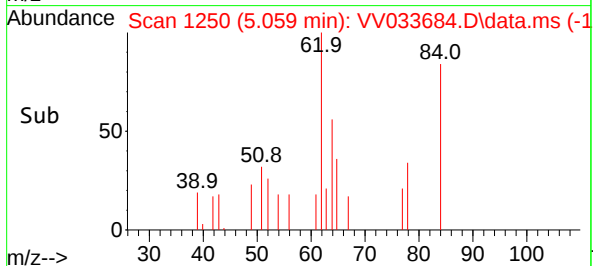
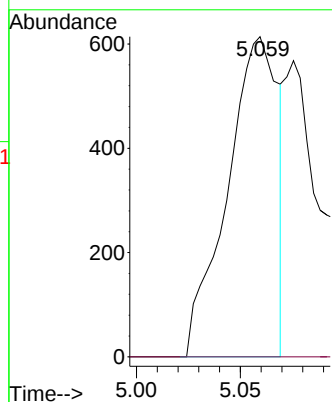
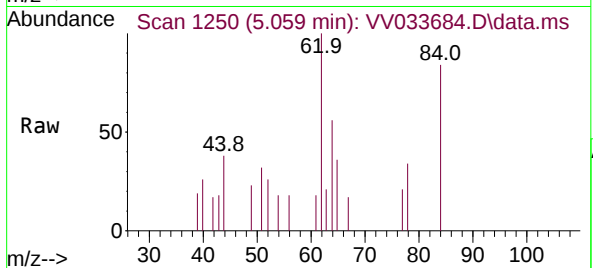
ClientSampleId :

Tgt Ion: 62 Resp: 1042

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#



#35

Methylcyclohexane

Concen: 0.537 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.061 min

Lab File: VV033684.D

Acq: 16 Jan 2024 20:59

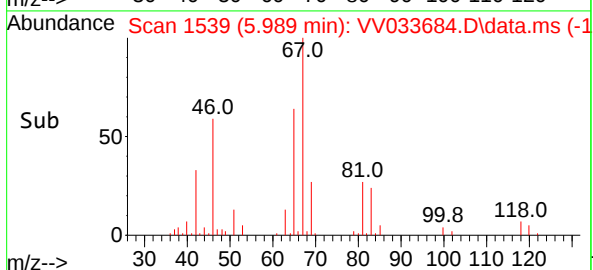
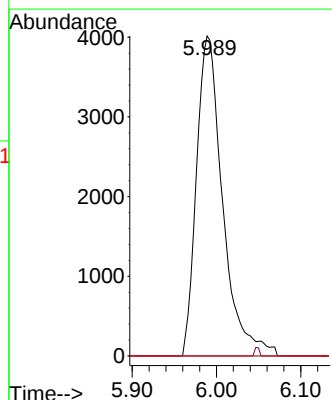
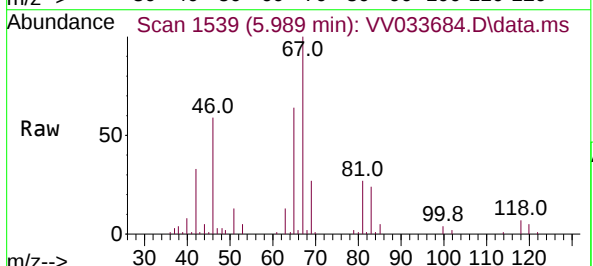
Tgt Ion: 83 Resp: 8663

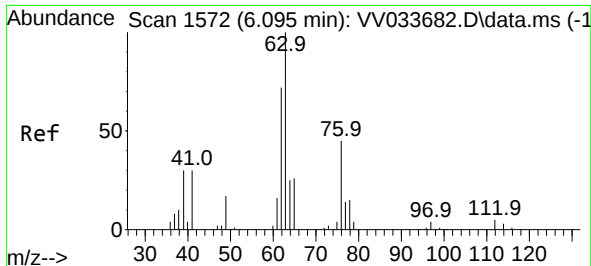
Ion Ratio Lower Upper

83 100

55 0.5 68.7 103.1#

98 0.0 38.3 57.5#





#37

1,2-Dichloropropane

Concen: 0.480 ug/L

RT: 5.989 min Scan# 1

Delta R.T. -0.106 min

Lab File: VV033684.D

Acq: 16 Jan 2024 20:59

Instrument :

MSVOA_V

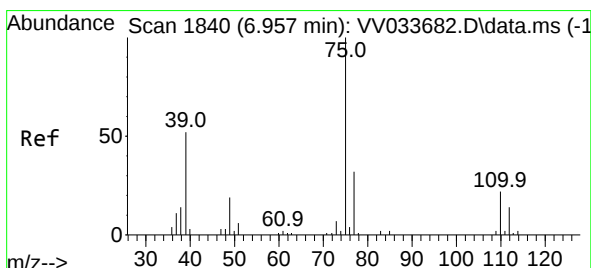
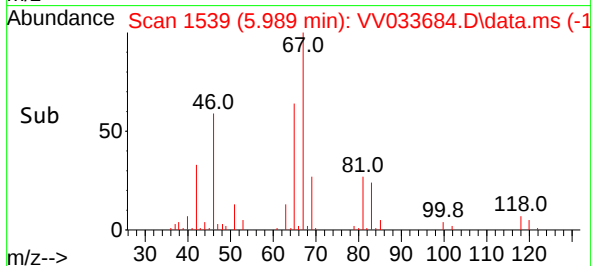
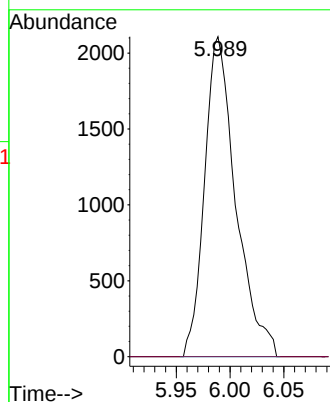
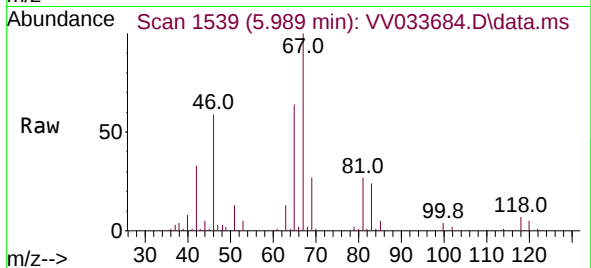
ClientSampleId :

Tgt Ion: 63 Resp: 4268

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 6.921 min Scan# 1829

Delta R.T. -0.035 min

Lab File: VV033684.D

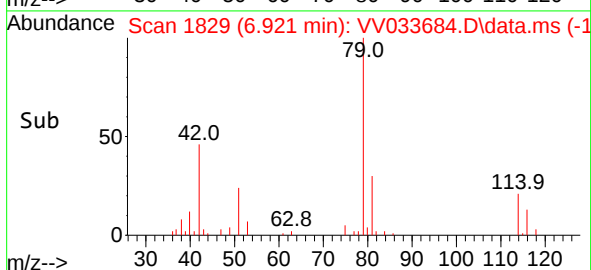
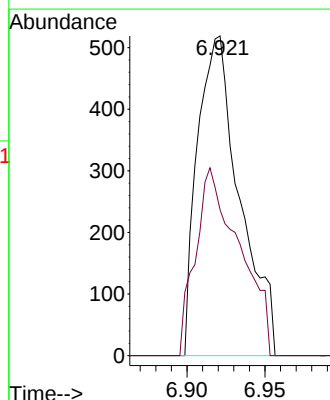
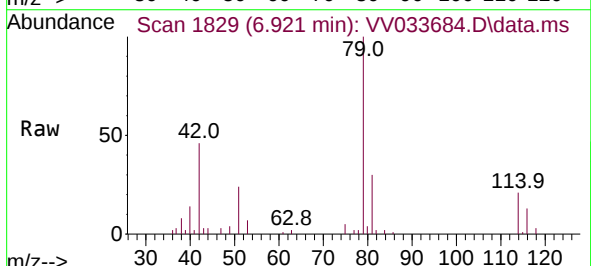
Acq: 16 Jan 2024 20:59

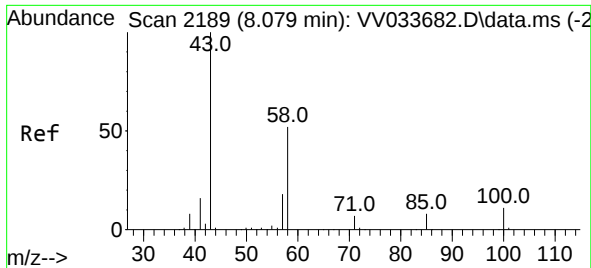
Tgt Ion: 75 Resp: 975

Ion Ratio Lower Upper

75 100

77 45.7 22.5 41.7#

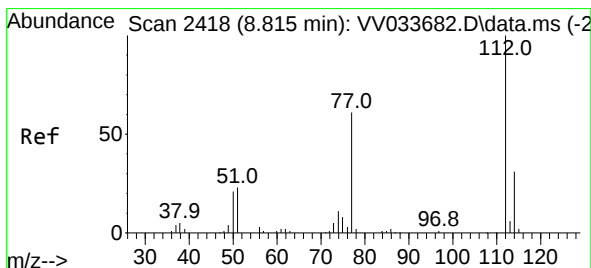
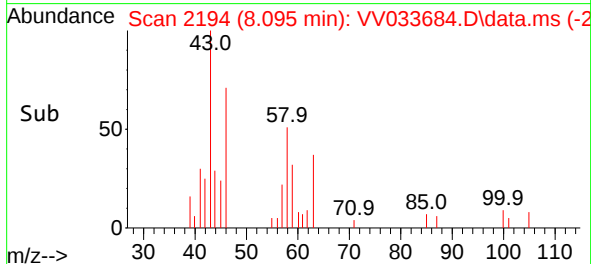
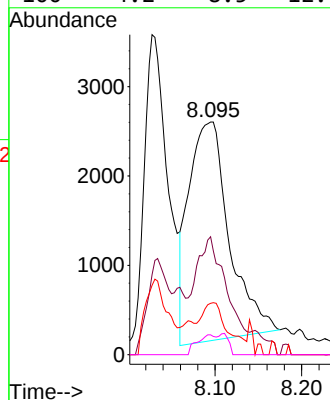
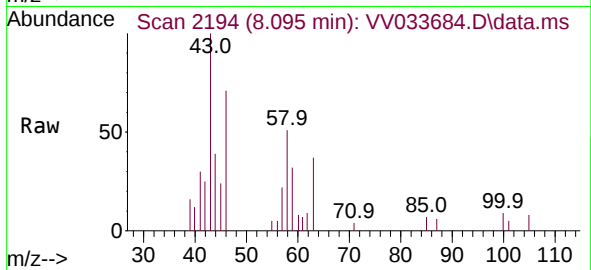




#48
2-Hexanone
Concen: 2.664 ug/L
RT: 8.095 min Scan# 2189
Delta R.T. 0.016 min
Lab File: VV033684.D
Acq: 16 Jan 2024 20:59

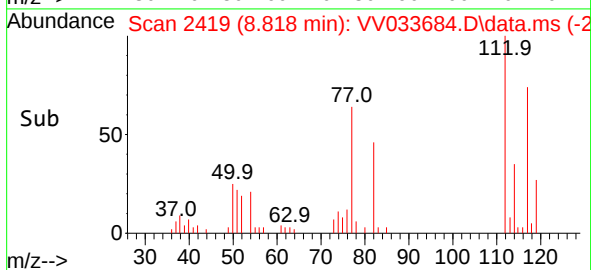
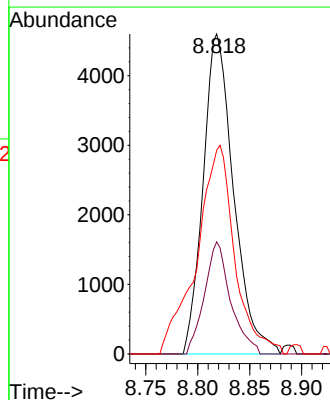
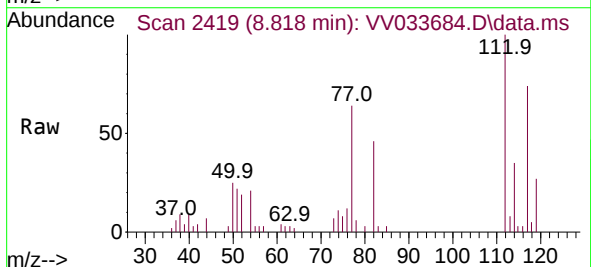
Instrument :
MSVOA_V
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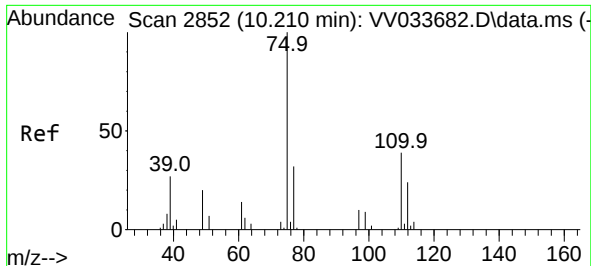
Tgt Ion: 43	Resp: 7969
Ion Ratio	Lower Upper
43 100	
58 28.6	40.6 61.0#
57 15.3	13.8 20.8
100 4.2	8.5 12.7#



#51
Chlorobenzene
Concen: 0.404 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.003 min
Lab File: VV033684.D
Acq: 16 Jan 2024 20:59

Tgt Ion:112	Resp:	9367	
Ion	Ratio	Lower	Upper
112	100		
114	35.0	22.9	42.5
77	63.6	50.8	76.2

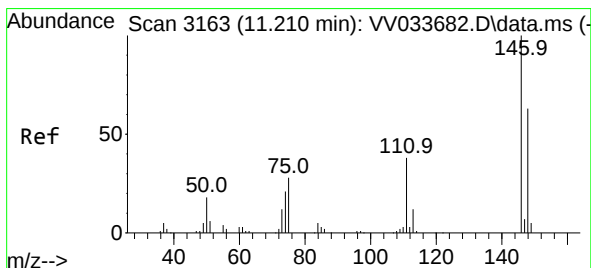
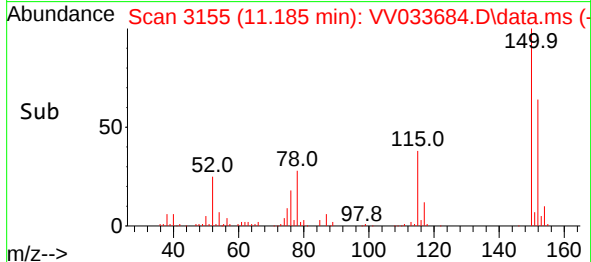
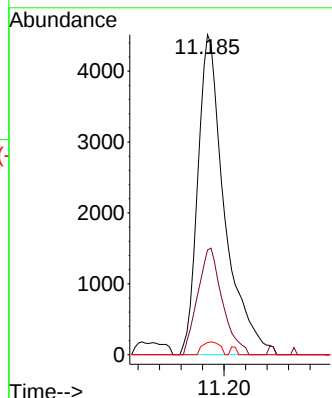
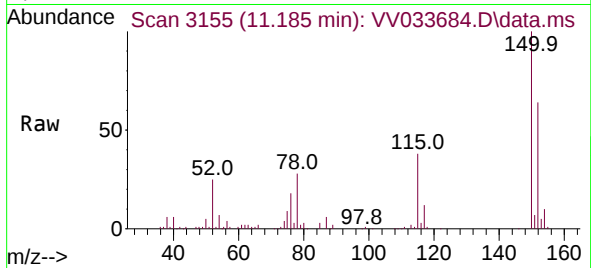




#61
 1,2,3-Trichloropropane
 Concen: 1.854 ug/L
 RT: 11.185 min Scan# 3155
 Delta R.T. 0.974 min
 Lab File: VV033684.D
 Acq: 16 Jan 2024 20:59

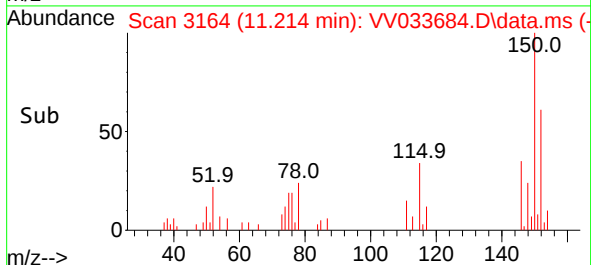
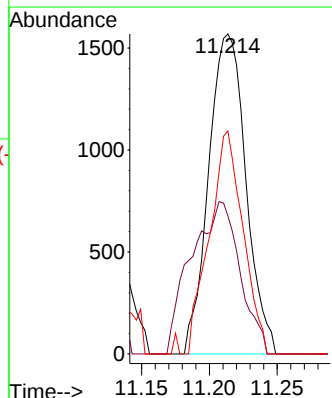
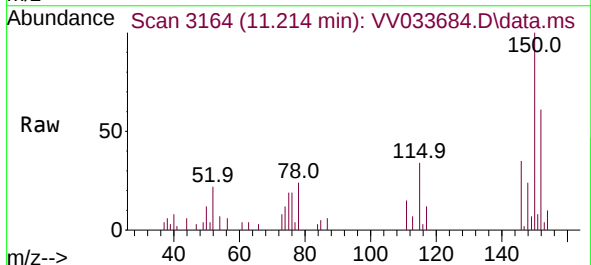
Instrument :
 MSVOA_V
 ClientSampleId :

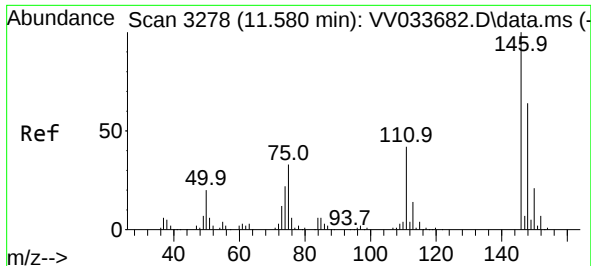
Tgt Ion: 75 Resp: 7785
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.7 37.1
 110 2.6 28.0 42.0#



#65
 1,4-Dichlorobenzene
 Concen: 0.167 ug/L
 RT: 11.214 min Scan# 3164
 Delta R.T. 0.003 min
 Lab File: VV033684.D
 Acq: 16 Jan 2024 20:59

Tgt Ion: 146 Resp: 3000
 Ion Ratio Lower Upper
 146 100
 111 43.1 27.5 51.1
 148 69.7 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 0.341 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033684.D

Acq: 16 Jan 2024 20:59

Instrument :

MSVOA_V

ClientSampleId :

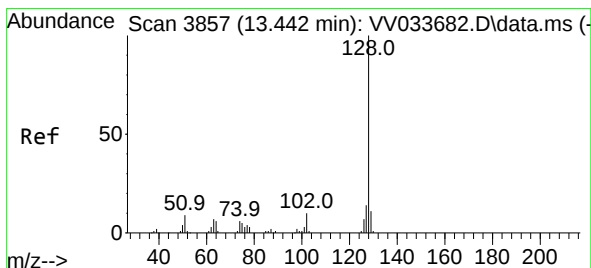
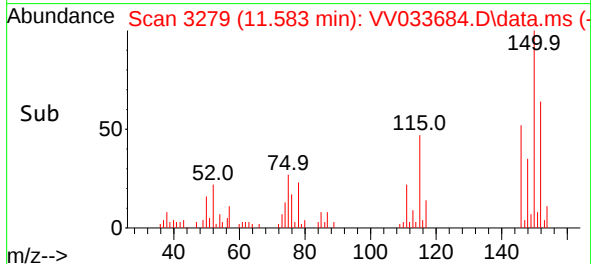
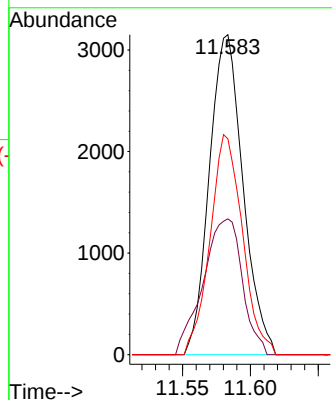
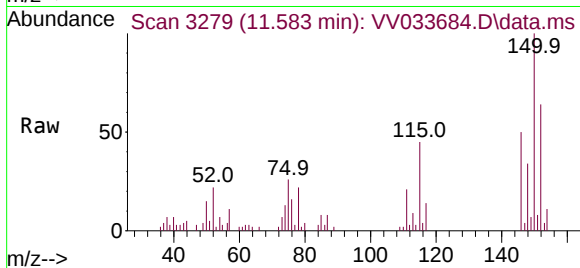
Tgt Ion:146 Resp: 5435

Ion Ratio Lower Upper

146 100

111 42.5 36.1 54.1

148 67.4 52.2 78.2



#71

Naphthalene

Concen: 0.063 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.010 min

Lab File: VV033684.D

Acq: 16 Jan 2024 20:59

Tgt Ion:128 Resp: 1237

Ion Ratio Lower Upper

128 100

129 10.1 8.8 13.2

127 3.3 10.4 15.6#

